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**THIRTY-FIRST  
ANNUAL REPORT  
ON THE  
PUBLIC HEALTH  
OF  
CLEATOR MOOR,  
BY  
JOHN CLARK, M.D., F.R.C.S., Edin.**

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**1906.**

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# Thirty-First ANNUAL REPORT

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TO THE CLEATOR MOOR

URBAN DISTRICT COUNCIL,

GENTLEMEN,—

In submitting the Annual Report of the Medical Officer of Health, allow me to state that as I was appointed to the post on the twenty-ninth day of January, 1906, this report is simply a digest of the data I have received from the late Medical Officer.

The Census of 1901 showed the population of the district to be 8,120, and the estimate for the last Annual Report was 7,880, but, as there were sixty-six more births than deaths registered in 1905, and as trade has considerably improved lately in the district, and as more houses are occupied now than a year ago, I am of opinion that an estimate of eight thousand will be near the mark.

The two hundred and twenty-three births registered in the district, represent a birth-rate of 27·87 per thousand of estimated population per Annum, which is 2·92 below the average of 30·79 for the ten preceding years.

Of the children born during the year, one hundred and eleven were males and one hundred and twelve females.

The number of deaths registered as occurring within the district during the year was one hundred and fifty; but two deaths occurred at Galemire Isolation Hospital in the Parish of Hensingham, four in Whitehaven and West Cumberland Infirmary; and one in the Whitehaven Union Workhouse belonging to the Cleator Moor district, so that the total number of deaths is one hundred and fifty-seven.

This gives a death-rate of 19·62 which is 3·72 above the average of 15·9 for the previous ten years.

Twenty-four deaths of infants under one year of age were registered during the year, giving an infantile death-rate of 3·0 per thousand of estimated population per Annum, which is ·73 under the average of 3·73 for the last ten years. The number of births registered during the year being as already stated two hundred and twenty-three, the infant death-rate per thousand births registered was 107·62 compared with an average of 121·3 for the ten preceding years.

In addition to these twenty-four deaths of infants, there were registered during the year forty-three deaths of infants between one and five years of age, making a total of sixty-seven deaths of children under five years of age, equivalent to a death-rate of 8·37, which is 2·25 above the rate of 6·12 for the previous year. The epidemic of Measles which swept the district this year is largely responsible for this increase of death-rate.

Of persons over sixty-five years of age, thirty-one deaths occurred, giving a senile death-rate of 3·87, which is ·06 below the rate of 3·93 for the preceding year.

The total deaths from Zymotic Diseases during 1905 have been forty-seven—equivalent to a death-rate of 5·87, which is 4·32 above the rate of 1·51 for last year. This great increase of death-rate from Zymotic Diseases was due to the fact that a Virulent epidemic of measles occurred in the district being responsible for thirty-six of the total of forty-seven deaths in this group.

The deaths from Zymotic Diseases are thirty-six from measles, seven from Whooping Cough, two from Enteric Fever, one from Scarlet Fever, and one from Influenza.

The number of cases notified under the Infectious Diseases Notification Act was twenty-one, as compared with twenty-two cases in 1904.

Of the twelve cases of Scarlet Fever notified, six were between the ages of one and five years, five between five and fifteen years, and one between fifteen and twenty-five years.

Eleven of the cases were treated in Galemire Isolation Hospital, and one (complicated with Pneumonia) was treated at home.

Of the five cases of Enteric Fever notified, four occurred in one house, viz., 77, Duke Street; one under five years of age, and three between five and fifteen years; these cases were all removed to Galemire Isolation Hospital, and the house, fomites, and drains were disinfected. The remaining case occurred at 18, Leconfield Street, and was a man between twenty-five and sixty-five years of age. He died the day following notification.

The remaining four cases notified were due to Erysipelas, and were all between the ages of twenty-five and sixty-five. They were treated in their own homes, with the usual disinfection and Sanitary precautions taken.

Measles is not notified in this district, I am therefore unable to give definite data under this head; but during 1905 an epidemic of Measles occurred in the district both virulent in type and in its complications, causing a total of thirty-six deaths. Of these deaths ten were under one year of age; twenty-four between the ages of one and five years; and two between the ages of five and fifteen years. The death-rate from this disease alone represents 4·5 per thousand per Annum of the estimated population.

It will thus be seen that the increase in the General death-rate, Zymotic death-rate, and the death-rate of infants under five years of age was due to this epidemic.



On the tenth of January, the late Medical Officer of Health, wrote to the Council recommending the closure of St. Patrick's School for a month, on account of the large number of scholars who had themselves developed measles and the number who had cases of the disease at their homes, in order to control as far as possible the spread of the disease. On account of this recommendation the school was closed next day, and thoroughly fumigated, cleansed, and freely ventilated. On the 30th January a similar recommendation was given for the closure of the Infant's Department of the Montreal School, on account of the prevalence of Measles. This recommendation was also carried out. On the 18th of March a recommendation for Closure of the Mill School, Cleator, was given. This also was acted upon by the Council.

Mr. Charles Gowan, our Nuisance Inspector, reported during the year one hundred and forty-six Nuisances, consisting of ninety-three defective Water Closets, twenty-five Choked Sewers, twenty-five Insanitary Yards and one through the keeping of pigs. These were all remedied.

There were twelve cases of Scarlet Fever reported during the year, eleven of which were removed to Galemire Hospital; five cases of Enteric Fever were reported during the year, four of which were taken to Galemire Isolation Hospital; the other being dead when he received Notification. All the houses were disinfected in the usual manner.

Mr. Robert Robertson, our Surveyor, reports that during the past year twenty new water services were put in; and thirty-nine houses had their defective water supply put into a satisfactory condition. The water mains were flushed weekly; also the sewers flushed and disinfected.

We have eight factories, eighteen workshops, and three bake-houses in the district. During the year Mr. Farquharson's underground bake-house has been put into a satisfactory condition.

Mr. Robertson has made ninety-seven inspections and has had no cause for complaint.

This Gentlemen, with the tables attached, concludes my Report for 1905.

I am,

Your obedient servant,

JOHN CLARK, M.D., F.R.C.S., Edin.

M. O. H.

EHEN HOUSE,

CLEATOR MOOR,

26th FEBRUARY, 1906

TABLE 1.—Cleator Moor Urban District ; Statistics of Whole District.

YEAR.	Population estimated to middle of each year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.				Deaths of Residents Registered in Public Institu- tions beyond the District.	NETT DEATHS AT ALL AGES BELONGING TO THE DISTRICT.	
		Number.	Rate *	Under 1 Year of Age.		At All Ages.			Number.	Rate. *
				Number.	Rate. *	Number.	Rate. *			
1	2	3	4	5	6	7	8	9	10	11
1895	8924	282	31·6	33	117	164	18·2			
1896	8790	255	29·0	36	141	144	16·3			
1897	8656	269	31·0	30	111	122	14·09			
1898	8522	254	29·8	37	146	143	16·7	1	144	16·8
1899	8388	251	29·9	20	79	98	11·6			
1900	8254	271	32·8	34	125	168	20·3			
1901	8120	244	30·0	32	131	122	15·02	1	123	15·1
1902	8258	272	32·9	28	103	134	16·2			
1903	7900	228	28·8	28	122	103	13·0	9	112	14·1
1904	7880	252	31·9	35	138	138	17·5	7	145	18·4
Averages for Years 1895-1904.	8369	257	30·7	31·3	121	133	15·8			
1905	8000	223	27·8	24	107	150	18·7	7	157	19·62

\* Rates in Columns 4, 8, and 11 calculated per 1,000 of estimated population.

NOTE.—The Deaths included in column 7 of this Table are the whole of those registered during the year as having actually occurred within the District or Division. The deaths included in column 10 are the number in column 7, with the addition of the number in column 9.

Area of District in Acres (exclusive of area covered by water : 2,947. Total Population at all Ages, 8,120 ; Number of Inhabited Houses, 1,592 ; Average number of persons per house, 5·1—at Census of 1901.

There are no Institutions within the district receiving sick and infirm persons from outside the district.

~~At Cleator Moor Hospital, situated in Parish of Hensingham, and close to Cleator Moor boundary, no deaths occurred during 1902.~~

TABLE II.

There are no Registration Sub-districts, or separate districts or localities, within Cleator Moor where Population and other statistical data are obtained. The Census has always been obtained for the whole district as one.

TABLE III.—Cases of Infectious Disease notified during the Year 1905.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.						
	At all Ages.	At Ages—Years.					
		Under 1.	1 to 5.	5to 15.	15 to 25.	25 to 65.	65 and upwards.
Membranous Croup... ..						4	
Esysipelas ... ..	4						
Scarlet Fever ... ..	12		6	5	1		
Enteric Fever ... ..	5		1	3		1	
Puerperal Fever ... ..							
Totals .. ..	21		7	8	1	5	

No. of Cases Removed to Hospital from District.—Scarlet Fever, 11 ; Enteric Fever, 4. Total, 15.  
Isolation Hospital—Galemire Fever Hospital, situated in Parish of Hensingham, very near to Cleator Boundary.



TABLE IV.—Causes of, and Ages at, Death during Year 1905.

CAUSES OF DEATH.	DEATHS IN OR BELONGING TO WHOLE DISTRICT AT SUBJOINED AGES.						
	All Ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and up-wards.
Measles ... ..	36	10	24	2			
Scarlet fever... ..	1		1				
Whooping-cough ... ..	7	1	6				
Enteric fever... ..	2			1		1	
Epidemic influenza ... ..	1						1
Diarrhoea ... ..	2	1	1				
Phthisis (Pulmonary Tuberculosis)	13		2	3	2	5	1
Other tubercular diseases ... ..	6		1	4			1
Cancer, malignant disease... ..	12					10	2
Bronchitis ... ..	3	1					2
Pneumonia .. ..	12	2	5			4	1
Premature birth ... ..	4	4					
Heart diseases ... ..	11			1	1	8	1
Accidents ... ..	4	1	1			/	/
All other causes ... ..	43	4	2	1		15	21
All causes ... ..	157	24	43	12	3	44	30

TABLE V.

Cleator Moor Urban District.

**Infantile Mortality During the Year 1905.**

Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.					Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under One Year.
All Causes.	{	Certified ... ..	...	...	3		3		6	1	1				2		5	3	3	3	24
		Uncertified...	...	...																	
Common Infectious Diseases.	{	Small-pox ... ..	...	...																	
		Chicken-pox ... ..	...	...																	
		Measles ... ..	...	...											1		4	1	3	1	10
		Scarlet Fever ... ..	...	...																	
		Diphtheria : Croup ... ..	...	...																	
Catarrhæal Diseases.	{	Whooping Cough...	...	...														1			1
		Diarrhœa, all forms ...	...	...			1		1												1
		Enteritis (not Tuberculous) }																			
		Gastritis, Gastro-intestinal Catarrh }																			
Lasting Diseases.	{	Premature Birth ... ..	...	...	3		1		4												4
		Congenital Defects ... ..	...	...																	
		Injury at Birth ... ..	...	...																	
		Want of Breast-milk ... ..	...	...																	
		Atrophy, Debility, Marasmus }																			
Tuberculous Diseases.	{	Tuberculous Meningitis																			
		Tuberculous Peritonitis } Tabes Mesenterica }																			
		Other Tuberculous Diseases }																	1		1
		Erysipelas ... ..	...	...																	
	{	Syphilis ... ..	...	...																	
		Rickets ... ..	...	...																	
		Meningitis (not Tuberculous) }																			
		Convulsions ... ..	...	...											1						1
		Bronchitis ... ..	...	...							1										1
		Laryngitis ... ..	...	...																	
		Pneumonia .. ..	...	...					1								1				2
		Suffocation, overlaying																1			1
		Other Causes ... ..	...	...			1		1											1	2
					3		3		6	1	1				2		5	3	3	3	24

District of Cleator Moor.

Population (Estimated to middle of 1905), 8,000.

Births in the Year {legitimate  
illegitimate} 223

Illegitimate Children have not been specified.

Deaths from all Causes at all Ages, 157.





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